

## CLAIMS

We claim:

1           1.       A camera system for mounting to an aircraft having a topography, the camera  
2 system comprising:  
3           a housing including a flange and a receptacle, the flange being configured to complement  
4 the topography of the aircraft, the receptacle having an opening and an inner surface;  
5           a window fixed within the opening of the receptacle;  
6           a camera disposed within the receptacle having optical communication with the window,  
7 a space being defined between the camera and the inner surface of the receptacle; and  
8           a filler disposed in the space to seal the camera within the receptacle.

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4           2.       A camera system as claimed in claim 1 wherein:  
5 the filler is an adhesive compound.

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8           3.       A camera system as claimed in claim 1 wherein:  
9 the filler is epoxy.

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3           4.       A camera system as claimed in claim 1 further comprising:  
4 a heater configured to heat the window

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7           5.       A camera system as claimed in claim 4 wherein the heater includes:  
8 a conductive film disposed upon the window; and  
9 a pair of wires connected to the conductive film.

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2           6.       A camera system as claimed in claim 1 wherein:  
3 the window includes sapphire.

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5           7.       A camera system for external mounting to an aircraft having a topography, the  
6 camera system comprising:  
7           a housing including a flange and a receptacle, the flange being configured to complement  
8 the topography of the aircraft, the receptacle having an opening;

5 a window fixed within the opening of the receptacle;  
6 a heater configured to heat the window; and  
7 a camera disposed within the receptacle having optical communication with the window.

1 8. A camera system as claimed in claim 7 wherein the heater includes:  
2 a conductive film disposed on the window; and  
3 a pair of wires connected to the conductive film.

1 9. A camera system as claimed in claim 7 wherein the window is sapphire.

1 10. A camera system as claimed in claim 7 wherein a space is defined between the  
2 camera and an inner surface of the receptacle;  
a filler occupying the space to seal the camera within the receptacle

11. A camera system as claimed in claim 10 wherein:  
the filler is an adhesive compound.

1 12. A camera system as claimed in claim 11 wherein the adhesive compound is  
epoxy.